

Doming is a great way to add value to a product and a doming workstation is inexpensive to set up and with a bit of practice and our step-by-step guide you will be a professional in no time.

Maizey supply complete doming starter kits, doming guns and consumables.

**The “Doming Starter Kit” contains:**

Glass, a Leveler, Tape, Vinyl Matrix, a Plunger, Resin, Mixer, Lighter, Bicarbonate of Soda, Gloves and Cloth.



## HINTS & TIPS FOR SUCCESSFUL DOMING

- The ideal environment would be an air conditioned room at about 16°C with a relative humidity of less than 40% (doming resin does not react well to humidity and can cause bubbles in the curing resin). This said, a lot of very successful doming takes place in rooms with temperatures up to 23°C.
- Allow your print to cure for 24 hours after printing before doming.
- Resin takes 4 hours to cure/set. Placing domes in oven at 40°C (104°F) will reduce curing time from ±4 hours to ±20 minutes.
- Always purge your resin cartage and nozzle before doming.
- Use a furniture polish impregnated cloth to polish domes before shipping.
- Design artwork with radius corners (avoid sharp edges), this will raise the height of the dome and assist in preventing overflow.

### STORAGE:

Place partially used cartridges and mixers in refrigerator to extend usable life (up to 7 days after opening). Product has a very short life after being removed from safety packaging, especially if the environment has a high humidity (rainy days). Resin should reach room temperature before using it after storing in refrigerator.



### SPILLS:

Sprinkle Bicarbonate of Soda on spills and rub into resin. The result is harmless to the area which can be easily removed. **Do not use water** it will make clean up very difficult.





## COMMERCIAL GRAPHICS SOLUTIONS

### FAILURES:

**Blow-Out Dome:** Caused by moisture on the decal before doming, moisture contaminated resin, or ink that has not yet dried.

Avoid high humidity locations, making sure decals are dry before doming and if possible work in an air-conditioned environment. Do not blow on decals before doming. Avoid doming on rainy days if an air-conditioned environment not available.

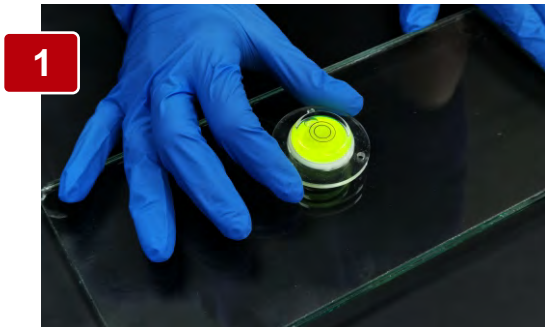
Partially used cartridges and mixers, removed from safety packaging, should be kept in a refrigerator to prevent moisture damage. This failure can manifest itself as tiny bubbles in the dome after curing.

### Resin not setting:

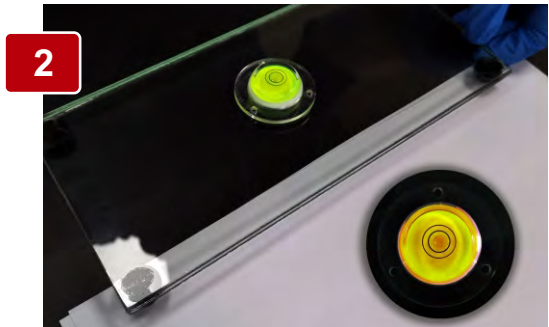
1. Resin was not purged before attaching mixer.
2. Moisture settled on dome, while curing.
3. Cartridges or mixer contaminated with moisture



### STEP BY STEP INSTRUCTIONS:



1 Place a level on the glass.



2 Place spacers under rubber feet to achieve perfect a perfect level (bubble in centre).



3 Remove vinyl matrix (weed) before doming.



4 Fix the decal sheet to the glass, using tape.

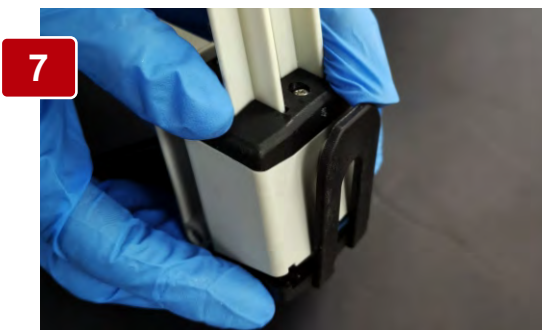




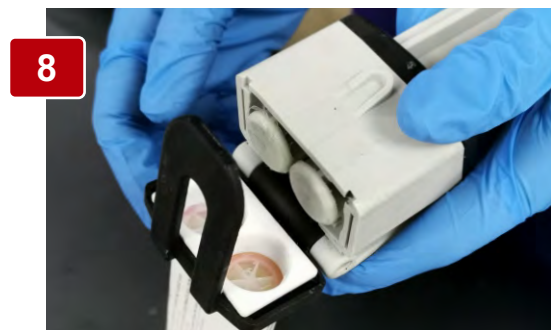
5 Press release and insert plunger with serrated side facing handle.



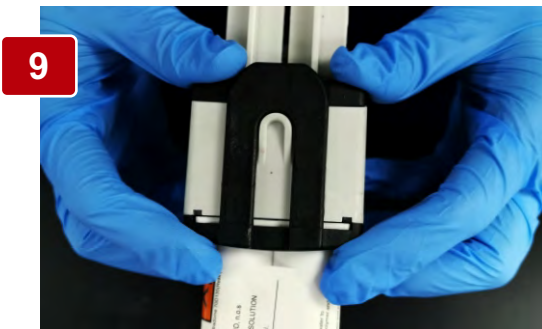
6 Make sure plunger is all the way home.



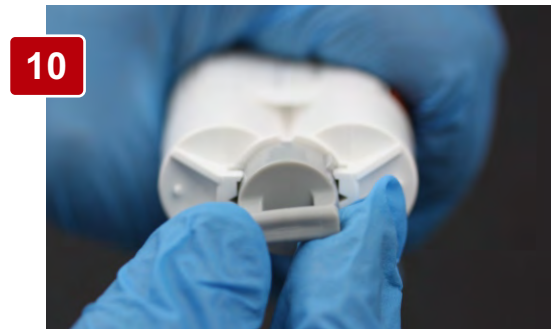
7 Un-clip cartridge holder.



8 Place cartridge in holder.



9 Close cartridge holder and re-clip.



10 Remove safety cap by turning it anti-clockwise.



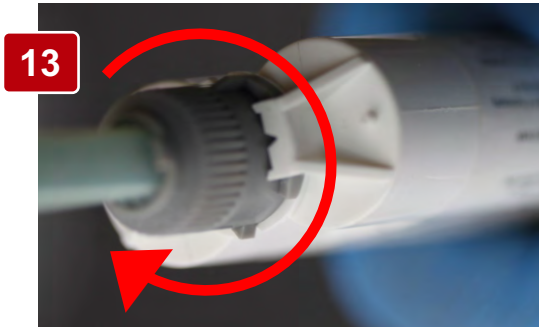
11 Purge cylinders until resin exits from both openings, inclining gun lower than receptacle.



12 Align the mixer with the slot on the cartridge and push down.



## COMMERCIAL GRAPHICS SOLUTIONS



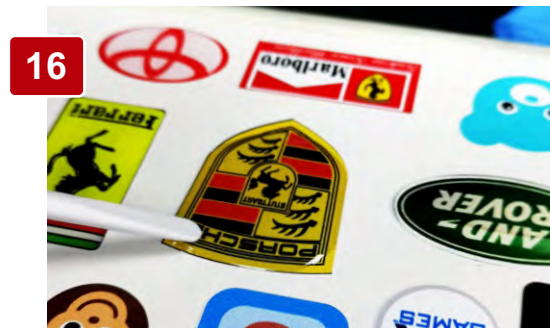
Turn the mixer 90° clockwise to lock it into position.



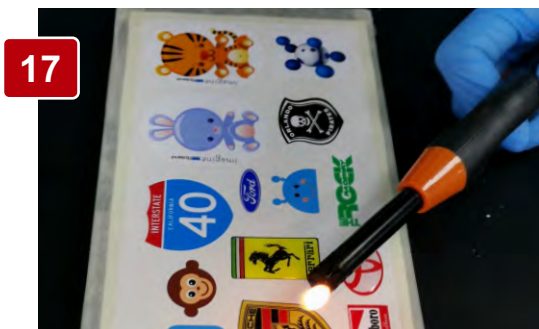
Purge a small amount of resin from the mixer to remove air. Incline gun and mixer to assist with airflow.



Apply the resin, it will naturally flow to edge. Applying too much and it will overflow, too little and it will be flat, practice is all it takes.



Difficult shapes may need assistance with flow. Use the supplied plastic spatula to assist whilst avoiding sharp corners in your artwork.



The first few domes from a new mixer may contain air. Use a lighter and position the flame just above the dome to remove these bubbles. **IMPORTANT:** Do not apply flame directly to dome.



Once the first sheet is complete, place next glass sheet with spacer feet over domes to protect the sheet from dust and repeat steps from 14 to 18 until your project is complete.

